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NPDES PERMIT RENEWAL APPLICATION

LeON

FORM APPROVED
OMB No. 158-R0100

FOR AGENCY USE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER

NJ 000 3611

STANDARD FORM C – MANUFACTURING AND COMMERCIAL

Rec'd ck for $200.
2/8/79

SECTION I. APPLICANT AND FACILITY DESCRIPTION

Unless otherwise specified on this form all items are to be completed. If an item is not applicable indicate 'NA.'

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

Please Print or Type

1. Legal Name of Applicant (see instructions)	101	L. E. CARPENTER & Co.
2. Mailing Address of Applicant (see instructions) Number & Street	102a	170, N. MAIN ST.,
City	102b	WHARTON,
State	102c	NEW JERSEY
Zip Code	102d	07885
3. Applicant's Authorized Agent (see instructions) Name and Title	103a	HENRY JARRETT PLANT ENGINEER
Number & Street Address	103b	170, N. MAIN ST.
City	103c	WHARTON
State	103d	NEW JERSEY
Zip Code	103e	07885
Telephone	103f	201 (Area Code) 366-2020 (Number)
4. Previous Application If a previous application for a National or Federal discharge permit has been made, give the date of application. Use numeric designation for date.	104	72 (YR) 8 (MO) 7 (DAY)

FEB 8 4 03 PM '79
ENVIRONMENTAL PROTECTION AGENCY
NEW YORK, N.Y. 10007

I certify that I am familiar with the information contained in this application and that to the best of my knowledge and belief such information is true, complete, and accurate.

HENRY JARRETT Printed Name of Person Signing	102e	PLANT ENGINEER. Title
Henry Jarrett Signature of Applicant or Authorized Agent	102f	1-9-79 Date Application Signed

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and wilfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statement or representation, or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than $10,000 or imprisoned not more than five years, or both.

346289

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Received ____ YR ____ MO ____ DAY

OFFICE: ____ EPA Region Number
____ State

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This section contains 3 pages.

FOR AGENCY USE

5. Facility/Activity (see instructions) Give the name, ownership, and physical location of the plant or other operating facility where discharge(s) does or will occur.		
Name	105a	L.E. CARPENTER & CO (WHARTON MANUFACTURING PLANT)
Ownership (Public, Private or Both Public and Private)	105b	☒ PUB? ☐ PRV ☐ BPP
Check block if Federal Facility and give GSA Inventory Control Number	105c	☐ FED
	105d	N.A.
Location		
Street & Number	105e	170, N. MAIN ST
City	105f	WHARTON
County	105g	MORRIS
State	105h	NEW JERSEY.
6. Nature of Business State the nature of the business conducted at the plant or operating facility.	106a	MANUFACTURER OF VINYL WALLCOVERING.
	106b	AGENCY USE
7. Facility Intake Water (see instructions) Indicate water intake volume per day by sources. Estimate average volume per day in thousand gallons per day.		
Municipal or private water system	107a	2 thousand gallons per day
Surface water	107b	200 thousand gallons per day
Groundwater	107c	N.A. thousand gallons per day
Other*	107d	N.A. thousand gallons per day
Total Item 7	107e	202 thousand gallons per day
*If there is intake water from 'other,' specify the source.	107f	N.A.
8. Facility Water Use Estimate average volume per day in thousand gallons per day for the following types of water usage at the facility. (see instructions)		
Noncontact cooling water	108a	196 thousand gallons per day
Boiler feed water	108b	4 thousand gallons per day
Process water (including contact cooling water)	108c	N.A. thousand gallons per day
Sanitary water	108d	2 thousand gallons per day
Other*	108e	N.A. thousand gallons per day
Total Item 8	108f	202 thousand gallons per day
*If there are discharges to 'other,' specify.	108g	N.A.
If there is 'Sanitary' water use, give the number of people served.	108h	240 people served

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9. All Facility Discharges and other Losses; Number and Discharge (see instructions) Volume Specify the number of discharge points and the volume of water discharged or lost from the facility according to the categories below. Estimate average volume per day in thousand gallons per day.

		Number of Discharge Points		Total Volume Used or Discharged, Thousand Gal/Day
Surface Water	109a1	3	109a2	200
Sanitary wastewater transport system	109b1	*	109b2	2
Storm water transport system	109c1	NA	109c2	
Combined sanitary and storm water transport system	109d1	NA	109d2	
Surface impoundment with no effluent	109e1	NA	109e2	
Underground percolation	109f1	NA	109f2	
Well injection	109g1	NA	109g2	
Waste acceptance firm	109h1	NA	109h2	
Evaporation	109i1	NA	109i2	
Consumption	109j1	NA	109j2	
Other*	109k1	NA	109k2	
Facility discharges and volume Total Item 9.	109l1	3	109l2	200 (+2).
*If there are discharges to 'other,' specify.	109m1			

10. Permits, Licenses and Applications
List all existing, pending or denied permits, licenses and applications related to discharges from this facility (see instructions).

110	Issuing Agency (a)	For Agency Use (b)	Type of Permit or License (c)	ID Number (d)	Date Filed YR/MO/DA (e)	Date Issued YR/MO/DA (f)	Date Denied YR/MO/DA (g)	Expiration Date YR/MO/DA (h)
1.	E.P.A.		NPDES	NJ	72.8.7	74.7.31	—	79.7.31
				0003611				
2.								
3.								

11. Maps and Drawings
Attach all required maps and drawings to the back of this application.(see instructions)

12. Additional Information

112 Item Number	Information
* 109D1	2000 GAL TO REGIONAL SEWER (SANITARY USE)

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GPO 869-708

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STANDARD FORM C – MANUFACTURING AND COMMERCIAL

FOR AGENCY USE

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name		
a. Discharge Serial No. (see instructions)	201a	001
b. Discharge Name Give name of discharge, if any. (see instructions)	201b	PRINT DEPT.
c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.	201c	001
2. Discharge Operating Dates		
a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	202a	44 – (YR MO)
b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.	202b	N.A. (YR MO)
c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.	202c	N.A. (YR MO)
3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203	☐ N.A.
4. Discharge Location Name the political boundaries within which the point of discharge is located.		
State	204a	NEW JERSEY
County	204b	MORRIS
(if applicable) City or Town	204c	WHARTON
5. Discharge Point Description Discharge is into (check one): (see instructions)		
Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	☑ STR
Lake		☐ LKE
Ocean		☐ OCE
Municipal Sanitary Wastewater Transport System		☐ MTS
Municipal Combined Sanitary and Storm Transport System		☐ MCS

Agency Use	
204d	
204e	
204f	

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Municipal Storm Water Transport System		☐ STS
Well (Injection)		☐ WEL
Other		☐ OTH
If 'other' is checked, specify	205b	

6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.

Latitude	206a	40 DEG	54 MIN	18 SEC
Longitude	206b	74 DEG	34 MIN	43 SEC

7. Discharge Receiving Water Name Name the waterway at the point of discharge (see instructions) — 207a: UNNAMED DITCH TO ROCKAWAY RIVER

If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.

For Agency Use				For Agency Use
Major	Minor	Sub	207c	303e

(207b)

8. Offshore Discharge

a. Discharge Distance from Shore — 208a: N.A. feet

b. Discharge Depth Below Water Surface — 208b: _____ feet

9. Discharge Type and Occurrence

a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions) — 209a: ☑ (con) Continuous ☐ (int) Intermittent

b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs. — 209b: 5½ days per week

c. Discharge Occurrence — Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions) — 209c: N.A.

☐ JAN ☐ FEB ☐ MAR ☐ APR
☐ MAY ☐ JUN ☐ JUL ☐ AUG
☐ SEP ☐ OCT ☐ NOV ☐ DEC

Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.

10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons. — 210: N.A. thousand gallons per discharge occurrence.

11. Intermittent Discharge Duration and Frequency

a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating. — 211a: N.A. hours per day

b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging. — 211b: N.A. discharge occurrences per day

12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs. — 212: From N.A. (month) to _____ (month)

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13. Activity Description Give a narrative description of activity producing this discharge.(see instructions)

213a

NONCONTACT COOLING (FOR PRINTING OPERATION OF WALLCOVERING).

14. Activity Causing Discharge. For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

a. Raw Materials

	SIC Code (1)	Name (2)	Maximum Amount/Day (3)	Unit (See Table I) (4)	Shared Discharges (Serial Number) (5)
214a	N.A.				

b. Products

	SIC Code (1)	Name (2)	Maximum Amount/Day (3)	Unit (See Table I) (4)	Shared Discharges (Serial Number) (5)
214b	493	VINYL WALLCOVERING	40	L1	NONE.

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FOR AGENCY USE

15. Waste Abatement

a. Waste Abatement Practices Describe the waste abatement practices used on this discharge with a brief narrative. (see Instructions)

215a Narrative: NONE

b. Waste Abatement Codes Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

(1) NONONE,	(2) _____,	(3) _____,
(4) _____,	(5) _____,	(6) _____,
(7) _____,	(8) _____,	(9) _____,
(10) _____,	(11) _____,	(12) _____,
(13) _____,	(14) _____,	(15) _____,
(16) _____,	(17) _____,	(18) _____,
(19) _____,	(20) _____,	(21) _____,
(22) _____,	(23) _____,	(24) _____,
(25) _____.		

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16. Wastewater Characteristics N.A.

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate.(see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620		Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945		Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940		Potassium 00937	
Cyanide 00720		Sodium 00929	
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916		Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

-Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

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17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for.(see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent: Untreated Intake Water (Daily Average) (1)	Influent: In-Plant Treated Intake Water (Daily Average) (2)	Effluent: Daily Average (3)	Effluent: Minimum Value Observed or Expected During Discharge Activity (4)	Effluent: Maximum Value Observed or Expected During Discharge Activity (5)	Effluent: Frequency of Analysis (6)	Effluent: Number of Analyses (7)	Effluent: Sample Type (8)
Flow* Gallons per day ~~00056~~ 50050	.086	NA	.086	.040	.086	1/90	4	24HR.
pH Units 00400	6.4	NA	X	6.2	6.8	1/90	4	G
Temperature (winter) °F 74028	35	NA	45	40	55	1/90	4	G
Temperature (summer) °F 74027	65	NA	75	65	90	1/90	4	G
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310		NA						
Chemical Oxygen Demand (COD) mg/l 00340		NA						
Total Suspended (nonfilterable) Solids mg/l 00530		NA						
Specific Conductance micromhos/cm at 25° C 00095		NA	X					
Settleable Matter (residue) ml/l 00545		NA						

*Other discharges sharing intake flow (serial numbers).(see instructions)

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17. (Cont'd.)

Parameter and Code 217a	Influent: Untreated Intake Water (Daily Average) (1)	Influent: In-Plant Treated Intake Water (Daily Average) (2)	Effluent: Daily Average (3)	Effluent: Minimum Value Observed or Expected During Discharge Activity (4)	Effluent: Maximum Value Observed or Expected During Discharge Activity (5)	Effluent: Frequency of Analysis (6)	Effluent: Number of Analyses (7)	Effluent: Sample Type (8)

18. Plant Controls Check if the following plant controls are available for this discharge. 219

Alternate power source for major pumping facility. ☐ APS

Alarm or emergency procedure for power or equipment failure ☐ ALM

Complete Item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s) 219a NONE.

b. Name and address of manufacturer 219b

c. Quantity (pounds added per million gallons of water treated). 219c

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d. Chemical composition of these additives (see instructions). | 219d | _____

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions) N.A.

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions) | 220

- Boiler Blowdown ☐ BLBD
- Boiler Chemical Cleaning ☐ BCCL
- Ash Pond Overflow ☐ APOF
- Boiler Water Treatment — Evaporator Blowdown ☐ EPBD
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices ☐ OCFP
- Condense Cooling Water ☐ COND
- Cooling Tower Blowdown ☐ CTBD
- Manufacturing Process ☐ MFPR
- Other ☐ OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

- Summer | 221a | _____ °F.
- Winter | 221b | _____ °F.

22. Discharge Temperature, Rate of Change Per Hour | 222 | _____ °F./hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

		10%	5%	1%	Maximum
a. Intake Water Temperature (Subject to natural changes)	223a	°F	°F	°F	°F
b. Discharge Water Temperature	223b	°F	°F	°F	°F

24. Water Intake Velocity (see instructions) | 224 | _____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions) | 225 | _____ minutes

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26. Additional Information

226

Item	Information
209b.	
	NORMAL PRESENT OPERATION OF PLANT IS 5 DAY x 2 SHIFT + 1 SHIFT NORMAL SATURDAY OVERTIME.
217a.	MINIMUM FLOW VALUES REFLECT POSSIBLE RETURN TO SINGLE SHIFT OPERATION — DEPENDANT ON BUSINESS CONDITIONS.

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STANDARD FORM C – MANUFACTURING AND COMMERCIAL

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name		
a. Discharge Serial No. (see instructions)	201a	002
b. Discharge Name Give name of discharge, if any. (see instructions)	201b	COATING DEPT.
c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.	201c	002
2. Discharge Operating Dates		
a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	202a	44 – (YR MO)
b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.	202b	N.A. (YR MO)
c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.	202c	N.A. (YR MO)
3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203	☐ N.A.
4. Discharge Location Name the political boundaries within which the point of discharge is located.		
State	204a	NEW JERSEY
County	204b	MORRIS
(if applicable) City or Town	204c	WHARTON

Agency Use	
204d	
204e	
204f	

5. Discharge Point Description Discharge is into (check one): (see instructions)		
Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	☑ STR
Lake		☐ LKE
Ocean		☐ OCE
Municipal Sanitary Wastewater Transport System		☐ MTS
Municipal Combined Sanitary and Storm Transport System		☐ MCS

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Municipal Storm Water Transport System		☐ STS
Well (Injection)		☐ WEL
Other		☐ OTH
If 'other' is checked, specify	205b	
6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.		
Latitude	206a	40 DEG 54 MIN 13 SEC
Longitude	206b	74 DEG 34 MIN 39 SEC
7. Discharge Receiving Water Name Name the waterway at the point of discharge (see instructions)	207a	UNNAMED DITCH TO ROCKAWAY RIVER.
If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.	207b	For Agency Use: Major / Minor / Sub
	207c	For Agency Use: 303e
8. Offshore Discharge		
a. Discharge Distance from Shore	208a	N.A. feet
b. Discharge Depth Below Water Surface	208b	_____ feet
9. Discharge Type and Occurrence		
a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)	209a	☒ (con) Continuous ☐ (int) Intermittent
b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.	209b	5½ days per week
c. Discharge Occurrence — Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)	209c	☐ JAN ☐ FEB ☐ MAR ☐ APR ☐ MAY ☐ JUN ☐ JUL ☐ AUG ☐ SEP ☐ OCT ☐ NOV ☐ DEC N.A.
Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.		
10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.	210	N.A. thousand gallons per discharge occurrence.
11. Intermittent Discharge Duration and Frequency		
a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.	211a	N.A hours per day
b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.	211b	N.A discharge occurrences per day
12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs.	212	From N.A. to ____ (month / month)

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13. **Activity Description** Give a narrative description of activity producing this discharge.(see instructions)

213a

NONCONTACT COOLING (FOR COATING OPERATION OF WALLCOVERING).

14. **Activity Causing Discharge** For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

a. Raw Materials

214a	SIC Code (1)	Name (2)	Maximum Amount/Day (3)	Unit (See Table I) (4)	Shared Discharges (Serial Number) (5)
	N.A.				

b. Products

214b	SIC Code (1)	Name (2)	Maximum Amount/Day (3)	Unit (See Table I) (4)	Shared Discharges (Serial Number) (5)
	493	VINYL WALLCOVERING	40	L1	NONE

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15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a Narrative: NONE.

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

(1) NONONE,	(2) ____,	(3) ____,
(4) ____,	(5) ____,	(6) ____,
(7) ____,	(8) ____,	(9) ____,
(10) ____,	(11) ____,	(12) ____,
(13) ____,	(14) ____,	(15) ____,
(16) ____,	(17) ____,	(18) ____,
(19) ____,	(20) ____,	(21) ____,
(22) ____,	(23) ____,	(24) ____,
(25) ____.		

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16. Wastewater Characteristics N.A.

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate.(see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080		Copper 01042	
Ammonia 00610		Iron 01045	
Organic nitrogen 00605		Lead 01051	
Nitrate 00620		Magnesium 00927	
Nitrite 00615		Manganese 01055	
Phosphorus 00665		Mercury 71900	
Sulfate 00945		Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940		Potassium 00937	
Cyanide 00720		Sodium 00929	
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916		Phenols 32730	
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

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002

FOR AGENCY USE

17. Description of Intake and Discharge

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for.(see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day ~~00056~~ 50050	.110	N.A	.110	.050	.110	1/90	4	24HR
pH Units 00400	6.4	N.A	X	6.2	6.8	1/90	4	G
Temperature (winter) °F 74028	35	N.A	45	40	55	1/90	4	G
Temperature (summer) °F 74027	65	N.A	75	65	90	1/90	4	G
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310								
Chemical Oxygen Demand (COD) mg/l 00340								
Total Suspended (nonfilterable) Solids mg/l 00530								
Specific Conductance micromhos/cm at 25° C 00095			X					
Settleable Matter (residue) ml/l 00545								

*Other discharges sharing intake flow (serial numbers).(see instructions)

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17. (Cont'd.)

Parameter and Code 217a	Influent: Untreated Intake Water (Daily Average) (1)	Influent: In-Plant Treated Intake Water (Daily Average) (2)	Effluent: Daily Average (3)	Effluent: Minimum Value Observed or Expected During Discharge Activity (4)	Effluent: Maximum Value Observed or Expected During Discharge Activity (5)	Effluent: Frequency of Analysis (6)	Effluent: Number of Analyses (7)	Effluent: Sample Type (8)

18. **Plant Controls** Check if the following plant controls are available for this discharge. 218

Alternate power source for major pumping facility. ☐ APS

Alarm or emergency procedure for power or equipment failure ☐ ALM

Complete item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. **Water Treatment Additives** If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s) 219a NONE

b. Name and address of manufacturer 219b

c. Quantity (pounds added per million gallons of water treated). 219c

FOR AGENCY USE

d. Chemical composition of these additives (see instructions). | 219d | _____

Complete Items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

N.A.

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions) | 220

- Boiler Blowdown ☐ BLBD
- Boiler Chemical Cleaning ☐ BCCL
- Ash Pond Overflow ☐ APOF
- Boiler Water Treatment — Evaporator Blowdown ☐ EPBD
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices ☐ OCFP
- Condense Cooling Water ☐ COND
- Cooling Tower Blowdown ☐ CTBD
- Manufacturing Process ☐ MFPR
- Other ☐ OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer | 221a | _____ °F.

Winter | 221b | _____ °F.

22. Discharge Temperature, Rate of Change Per Hour | 222 | _____ °F./hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence)

In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

		10%	5%	1%	Maximum
a. Intake Water Temperature (Subject to natural changes)	223a	°F	°F	°F	°F
b. Discharge Water Temperature	223b	°F	°F	°F	°F

24. Water Intake Velocity (see instructions) | 224 | _____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions) | 225 | _____ minutes

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26. Additional Information

226 Item	Information
	(See 001 II-9)

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STANDARD FORM C – MANUFACTURING AND COMMERCIAL

FOR AGENCY USE

SECTION II. BASIC DISCHARGE DESCRIPTION

Complete this section for each discharge indicated in Section I, Item 9, that is to surface waters. This includes discharges to municipal sewerage systems in which the wastewater does not go through a treatment works prior to being discharged to surface waters. Discharges to wells must be described where there are also discharges to surface waters from this facility. SEPARATE DESCRIPTIONS OF EACH DISCHARGE ARE REQUIRED EVEN IF SEVERAL DISCHARGES ORIGINATE IN THE SAME FACILITY. All values for an existing discharge should be representative of the twelve previous months of operation. If this is a proposed discharge, values should reflect best engineering estimates.

ADDITIONAL INSTRUCTIONS FOR SELECTED ITEMS APPEAR IN SEPARATE INSTRUCTION BOOKLET AS INDICATED. REFER TO BOOKLET BEFORE FILLING OUT THESE ITEMS.

1. Discharge Serial No. and Name		
a. Discharge Serial No. (see instructions)	201a	003
b. Discharge Name Give name of discharge, if any. (see instructions)	201b	BOILER BLOWDOWN.
c. Previous Discharge Serial No. If previous permit application was made for this discharge (see Item 4, Section I), provide previous discharge serial number.	201c	004 OLD PERMIT #
2. Discharge Operating Dates		
a. Discharge Began Date If the discharge described below is in operation, give the date (within best estimate) the discharge began.	202a	44 – (YR MO)
b. Discharge to Begin Date If the discharge has never occurred but is planned for some future date, give the date (within best estimate) the discharge will begin.	202b	N. A (YR MO)
c. Discharge to End Date If discharge is scheduled to be discontinued within the next 5 years, give the date (within best estimate) the discharge will end.	202c	N. A. (YR MO)
3. Engineering Report Available Check if an engineering report is available to reviewing agency upon request. (see instructions)	203	☐ N.A
4. Discharge Location Name the political boundaries within which the point of discharge is located.		
State	204a	NEW JERSEY
County	204b	MORRIS
(if applicable) City or Town	204c	WHARTON.
Agency Use	204d	
Agency Use	204e	
Agency Use	204f	
5. Discharge Point Description Discharge is into (check one): (see instructions)		
Stream (includes ditches, arroyos, and other intermittent watercourses)	205a	☑ STR
Lake		☐ LKE
Ocean		☐ OCE
Municipal Sanitary Wastewater Transport System		☐ MTS
Municipal Combined Sanitary and Storm Transport System		☐ MCS

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Municipal Storm Water Transport System		☐ STS
Well (Injection)		☐ WEL
Other		☐ OTH
If 'other' is checked, specify	205b	
6. Discharge Point — Lat/Long Give the precise location of the point of discharge to the nearest second.		
Latitude	206a	40 DEG 54 MIN 13 SEC
Longitude	206b	74 DEG 34 MIN 39 SEC
7. Discharge Receiving Water Name Name the waterway at the point of discharge.(see instructions)	207a	ROCKAWAY RIVER
If the discharge is through an outfall that extends beyond the shoreline or is below the mean low water line, complete Item 8.	207b	For Agency Use: Major / Minor / Sub
	207c	For Agency Use: 303e
8. Offshore Discharge		
a. Discharge Distance from Shore	208a	N.A. feet
b. Discharge Depth Below Water Surface	208b	____ feet
9. Discharge Type and Occurrence		
a. Type of Discharge Check whether the discharge is continuous or intermittent. (see instructions)	209a	☑ (con) Continuous ☐ (int) Intermittent
b. Discharge Occurrence Days per Week Enter the average number of days per week (during periods of discharge) this discharge occurs.	209b	7 days per week
c. Discharge Occurrence —Months If this discharge normally operates (either intermittently, or continuously) on less than a year-around basis (excluding shutdowns for routine maintenance), check the months during the year when the discharge is operating. (see instructions)	209c	N.A. ☐ JAN ☐ FEB ☐ MAR ☐ APR ☐ MAY ☐ JUN ☐ JUL ☐ AUG ☐ SEP ☐ OCT ☐ NOV ☐ DEC
Complete Items 10 and 11 if "intermittent" is checked in Item 9.a. Otherwise, proceed to Item 12.		
10. Intermittent Discharge Quantity State the average volume per discharge occurrence in thousands of gallons.	210	N.A. thousand gallons per discharge occurrence.
11. Intermittent Discharge Duration and Frequency		
a. Intermittent Discharge Duration Per Day State the average number of hours per day the discharge is operating.	211a	N.A. hours per day
b. Intermittent Discharge Frequency State the average number of discharge occurrences per day during days when discharging.	211b	N.A. discharge occurrences per day
12. Maximum Flow Period Give the time period in which the maximum flow of this discharge occurs.	212	From N.A. (month) to ____ (month)

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003

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13. **Activity Description** Give a narrative description of activity producing this discharge.(see instructions)

213a BOILER BLOWDOWN.

14. **Activity Causing Discharge** For each SIC Code which describes the activity causing this discharge, supply the type and maximum amount of either the raw material consumed (Item 14a) or the product produced (Item 14b) in the units specified in Table I of the Instruction Booklet. For SIC Codes not listed in Table I, use raw material or production units normally used for measuring production.(see instructions)

a. Raw Materials

	SIC Code (1)	Name (2)	Maximum Amount/Day (3)	Unit (See Table I) (4)	Shared Discharges (Serial Number) (5)
214a	N.A.				

b. Products

	SIC Code (1)	Name (2)	Maximum Amount/Day (3)	Unit (See Table I) (4)	Shared Discharges (Serial Number) (5)
214b	493	VINYL WALLCOVERING	40	L1.	NONE

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003

FOR AGENCY USE

15. Waste Abatement

a. Waste Abatement Practices
Describe the waste abatement practices used on this discharge with a brief narrative. (see instructions)

215a Narrative: BOILER BLOWDOWN IS CAPTURED IN A TANK. RIVER WATER IS ADDED TO REDUCE TEMPERATURE AND ph, PRIOR TO BEING DISCHARGED INTO RIVER. (PAST PERMIT CONDITIONS — 100°f & ph 9 max.)

b. Waste Abatement Codes
Using the codes listed in Table II of the Instruction Booklet, describe the waste abatement processes for this discharge in the order in which they occur if possible.

215b

(1) PTEMPE,	(2) ____,	(3) ____,
(4) POTHER,	(5) ____,	(6) ____,
(7) ____,	(8) ____,	(9) ____,
(10) ____,	(11) ____,	(12) ____,
(13) ____,	(14) ____,	(15) ____,
(16) ____,	(17) ____,	(18) ____,
(19) ____,	(20) ____,	(21) ____,
(22) ____,	(23) ____,	(24) ____,
(25) ____.		

(REDUCTION OF ph. BY DILUTION.)

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16. Wastewater Characteristics

Check the box beside each constituent which is present in the effluent (discharge water). This determination is to be based on actual analysis or best estimate.(see instructions)

Parameter 216	Present	Parameter 216	Present
Color 00080	✓	Copper 01042	
Ammonia 00610	✓	Iron 01045	✓
Organic nitrogen 00605	✓	Lead 01051	
Nitrate 00620	✓	Magnesium 00927	✓
Nitrite 00615		Manganese 01055	
Phosphorus 00665	✓	Mercury 71900	
Sulfate 00945	✓	Molybdenum 01062	
Sulfide 00745		Nickel 01067	
Sulfite 00740		Selenium 01147	
Bromide 71870		Silver 01077	
Chloride 00940	✓	Potassium 00937	✓
Cyanide 00720		Sodium 00929	✓
Fluoride 00951		Thallium 01059	
Aluminum 01105		Titanium 01152	
Antimony 01097		Tin 01102	
Arsenic 01002		Zinc 01092	✓
Beryllium 01012		Algicides* 74051	
Barium 01007		Chlorinated organic compounds* 74052	
Boron 01022		Pesticides* 74053	
Cadmium 01027		Oil and grease 00550	
Calcium 00916	✓	Phenols 32730	✓
Cobalt 01037		Surfactants 38260	
Chromium 01034		Chlorine 50060	
Fecal coliform bacteria 74055		Radioactivity* 74050	

*Specify substances, compounds and/or elements in Item 26.

Pesticides (insecticides, fungicides, and rodenticides) must be reported in terms of the acceptable common names specified in *Acceptable Common Names and Chemical Names for the Ingredient Statement on Pesticide Labels*, 2nd Edition, Environmental Protection Agency, Washington, D.C. 20250, June 1972, as required by Subsection 162.7(b) of the Regulations for the Enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.

DISCHARGE SERIAL NUMBER

003

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17. **Description of Intake and Discharge**

For each of the parameters listed below, enter in the appropriate box the value or code letter answer called for.(see instructions)

In addition, enter the parameter name and code and all required values for any of the following parameters if they were checked in Item 16; ammonia, cyanide, aluminum, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

Parameter and Code 217a	Influent		Effluent					
	Untreated Intake Water (Daily Average) (1)	In-Plant Treated Intake Water (Daily Average) (2)	Daily Average (3)	Minimum Value Observed or Expected During Discharge Activity (4)	Maximum Value Observed or Expected During Discharge Activity (5)	Frequency of Analysis (6)	Number of Analyses (7)	Sample Type (8)
Flow* Gallons per day 00056	4000	N.A.	4000	4000	4000	1/90	4	24 HR.
pH Units 00400	6.4	N.A	X	9.0	9.0	1/90	4	G
Temperature (winter) °F 74028	35	N.A	100	100	100	1/90	4	G
Temperature (summer) °F 74027	65	N.A	100	100	100	1/90	4	G
Biochemical Oxygen Demand (BOD 5-day) mg/l 00310								
Chemical Oxygen Demand (COD) mg/l 00340								
Total Suspended (nonfilterable) Solids mg/l 00530								
Specific Conductance micromhos/cm at 25° C 00095			X					
Settleable Matter (residue) ml/l 00545								

*Other discharges sharing intake flow (serial numbers).(see instructions)

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17. (Cont'd.)

Parameter and Code 217a	Influent: Untreated Intake Water (Daily Average) (1)	Influent: In-Plant Treated Intake Water (Daily Average) (2)	Effluent: Daily Average (3)	Effluent: Minimum Value Observed or Expected During Discharge Activity (4)	Effluent: Maximum Value Observed or Expected During Discharge Activity (5)	Effluent: Frequency of Analysis (6)	Effluent: Number of Analyses (7)	Effluent: Sample Type (8)

18. Plant Controls Check if the following plant controls are available for this discharge. 218

Alternate power source for major pumping facility. ☐ APS

Alarm or emergency procedure for power or equipment failure ☐ ALM

Complete item 19 if discharge is from cooling and/or steam water generation and water treatment additives are used.

19. Water Treatment Additives If the discharge is treated with any conditioner, inhibitor, or algicide, answer the following:

a. Name of Material(s) 219a NONE

b. Name and address of manufacturer 219b

c. Quantity (pounds added per million gallons of water treated). 219c

DISCHARGE SERIAL NUMBER _____

FOR AGENCY USE

d. Chemical composition of these additives (see instructions). 219d _____

Complete items 20-25 if there is a thermal discharge (e.g., associated with a steam and/or power generation plant, steel mill, petroleum refinery, or any other manufacturing process) and the total discharge flow is 10 million gallons per day or more. (see instructions)

N.A.

20. Thermal Discharge Source Check the appropriate item(s) indicating the source of the discharge. (see instructions) 220

- Boiler Blowdown ☐ BLBD
- Boiler Chemical Cleaning ☐ BCCL
- Ash Pond Overflow ☐ APOF
- Boiler Water Treatment — Evaporator Blowdown ☐ EPBD
- Oil or Coal Fired Plants — Effluent from Air Pollution Control Devices ☐ OCFP
- Condense Cooling Water ☐ COND
- Cooling Tower Blowdown ☐ CTBD
- Manufacturing Process ☐ MFPR
- Other ☐ OTHR

21. Discharge/Receiving Water Temperature Difference

Give the maximum temperature difference between the discharge and receiving waters for summer and winter operating conditions. (see instructions)

Summer 221a _____ °F.

Winter 221b _____ °F.

22. Discharge Temperature, Rate of Change Per Hour 222 _____ °F./hour

Give the maximum possible rate of temperature change per hour of discharge under operating conditions. (see instructions)

23. Water Temperature, Percentile Report (Frequency of Occurrence) In the table below, enter the temperature which is exceeded 10% of the year, 5% of the year, 1% of the year and not at all (maximum yearly temperature). (see instructions)

Frequency of occurrence

		10%	5%	1%	Maximum
a. Intake Water Temperature (Subject to natural changes)	223a	°F	°F	°F	°F
b. Discharge Water Temperature	223b	°F	°F	°F	°F

24. Water Intake Velocity (see instructions) 224 _____ feet/sec.

25. Retention Time Give the length of time, in minutes, from start of water temperature rise to discharge of cooling water. (see instructions) 225 _____ minutes

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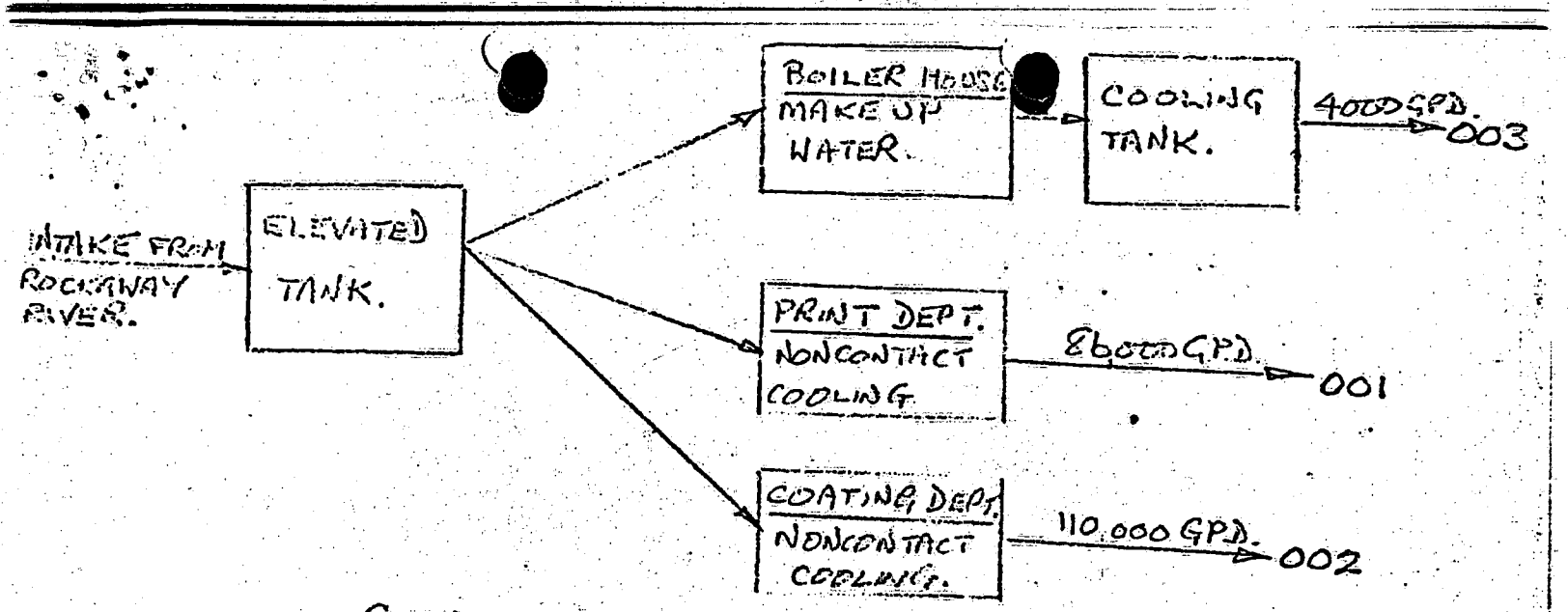
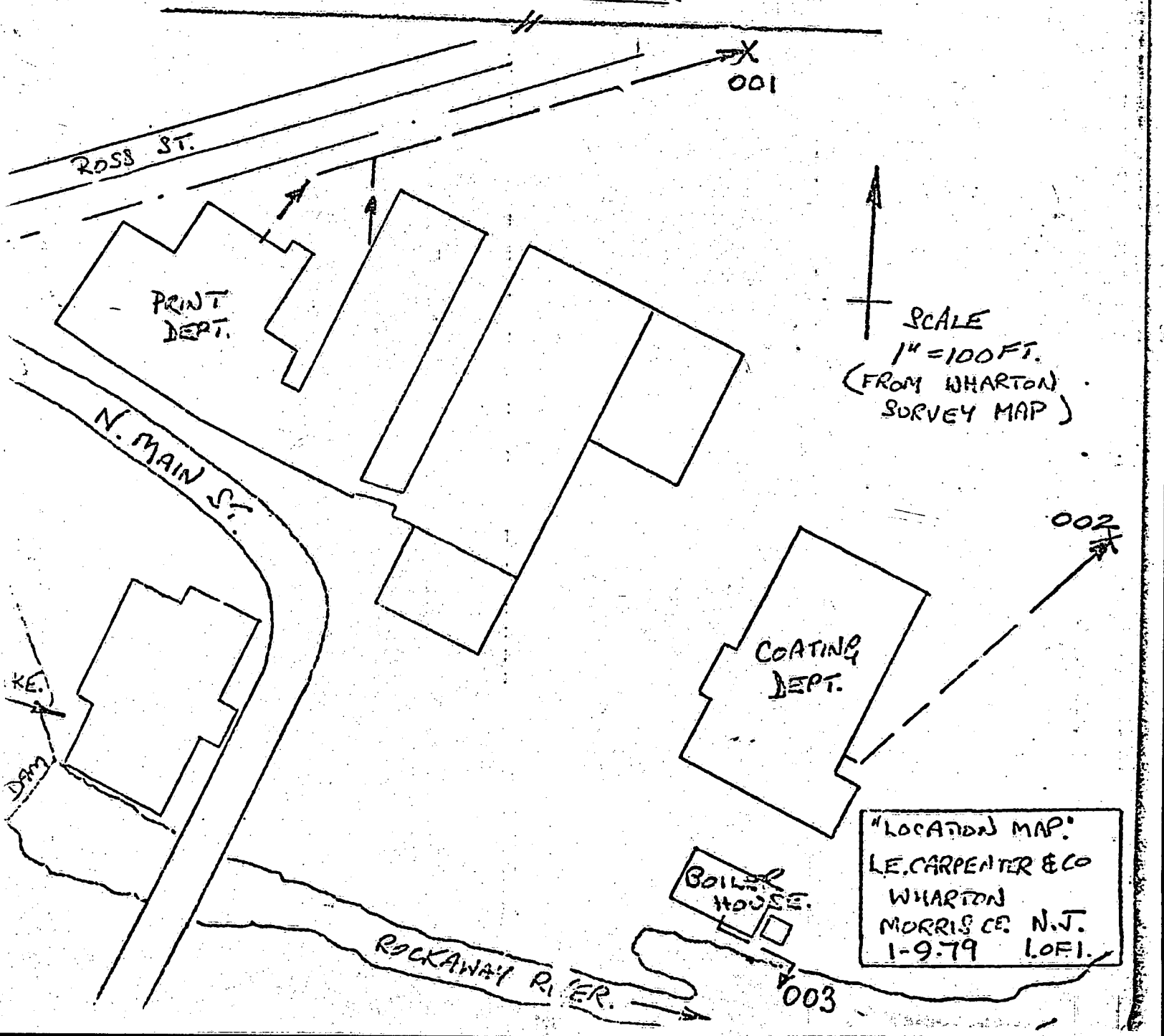
26. Additional Information

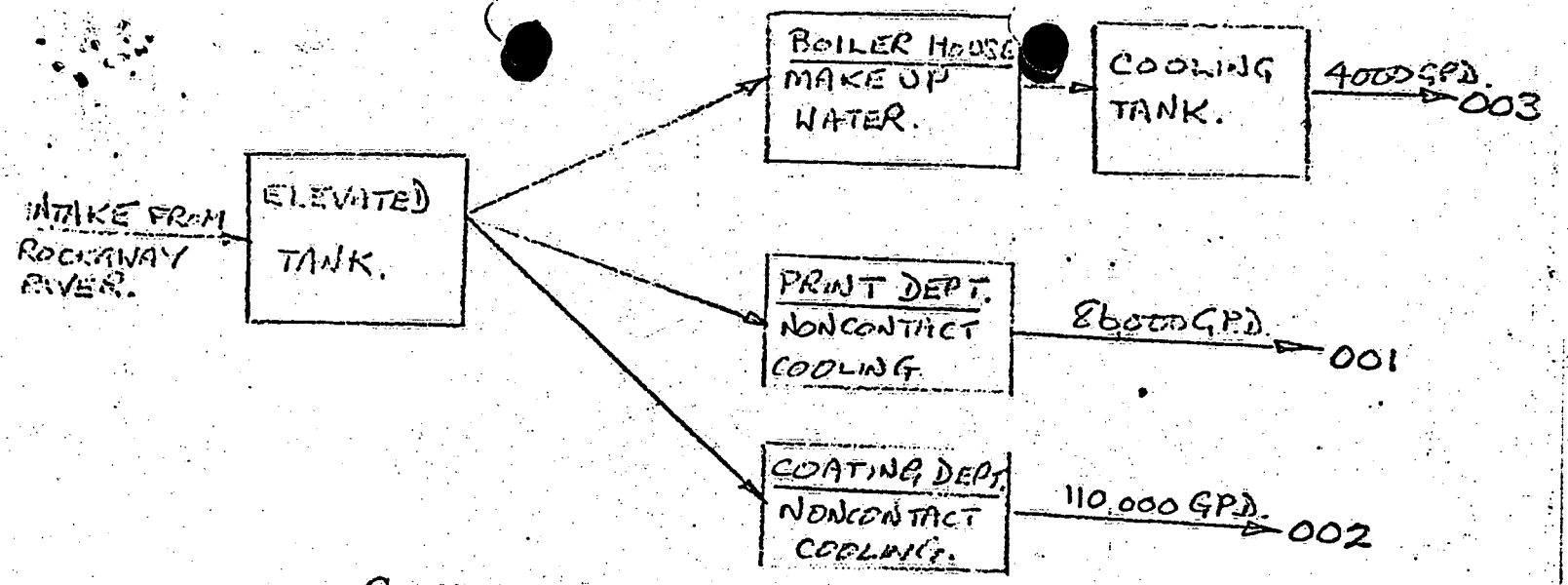
226

Item	Information
	BOILER TREATMENT CHEMICALS USED:-
	FORMULA LC
	" 80-L
	" SS-CAT
	" 44
	" 241.
	SUPPLIED BY GARRATT-CALLAHAN CO.
	~~[illegible]~~
	~~[illegible]~~ EDISON
	NEW JERSEY ~~07017~~
	(201- ~~[illegible]~~)
	287-2200

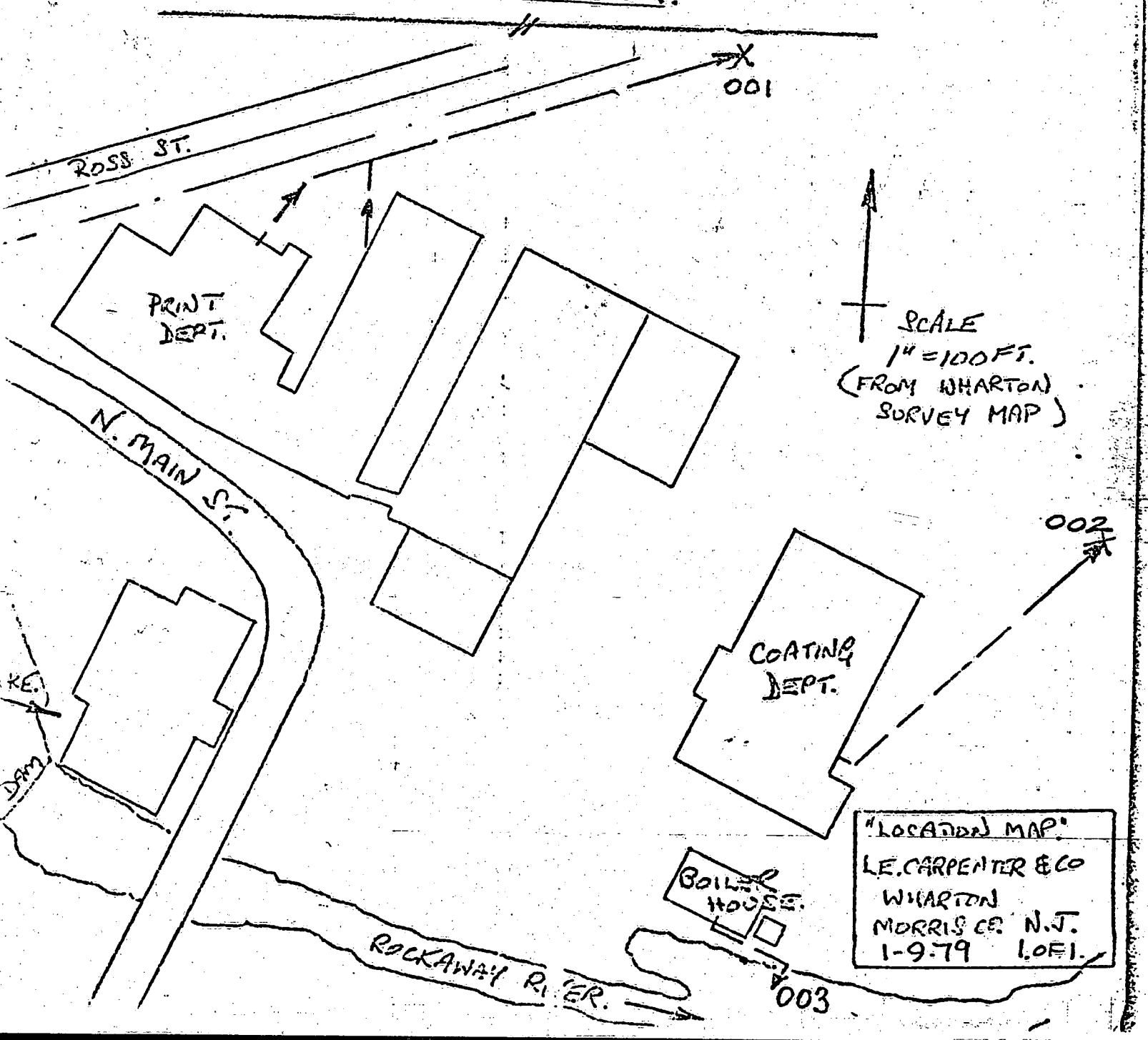


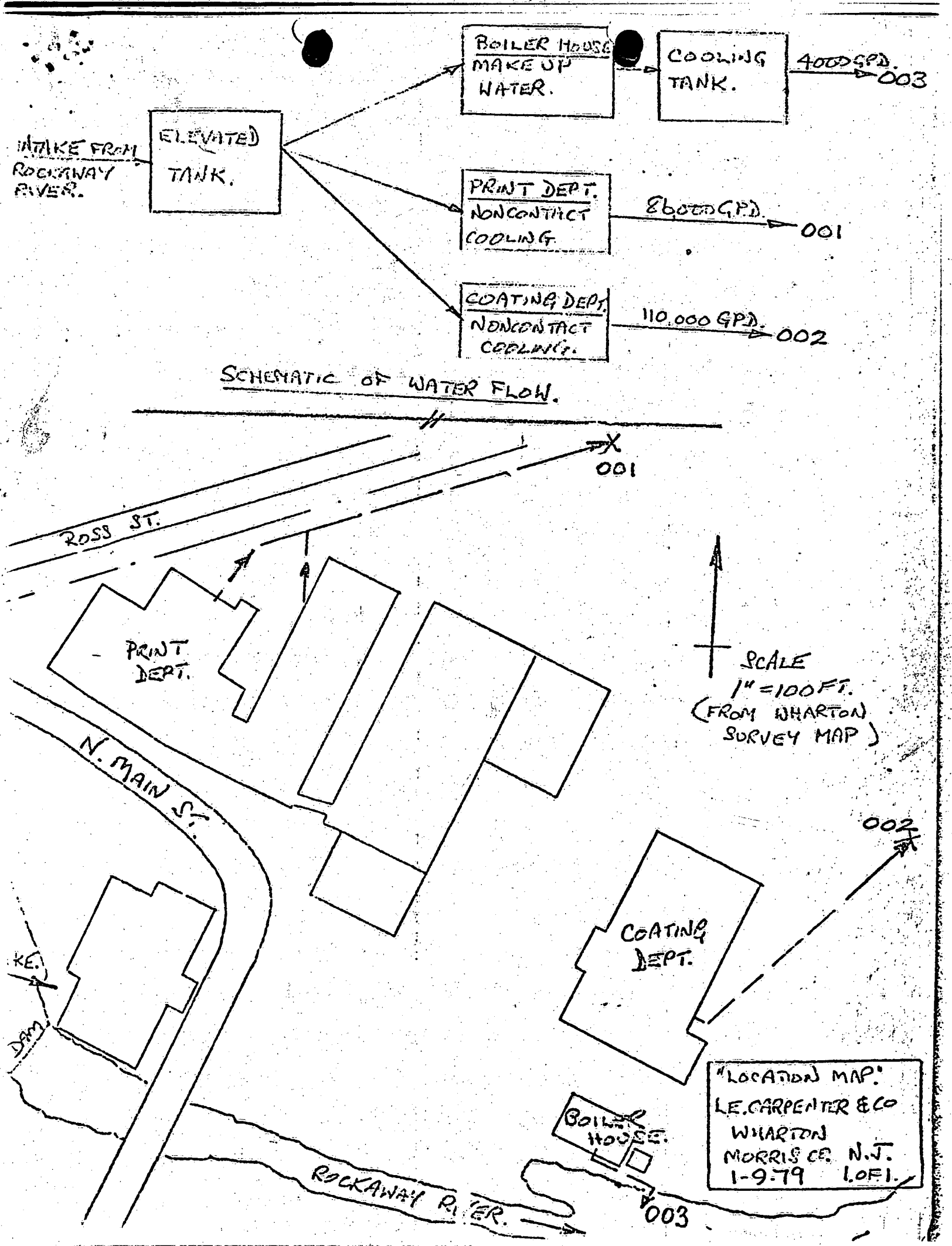
SCHEMATIC OF WATER FLOW.





SCHEMATIC OF WATER FLOW.




INTAKE FROM ROCKAWAY RIVER.
ELEVATED TANK.
BOILER HOUSE MAKE UP WATER.
COOLING TANK.
400 GPD.
003
PRINT DEPT. NONCONTACT COOLING
86000 GPD.
001
COATING DEPT. NONCONTACT COOLING.
110,000 GPD.
002
SCHEMATIC OF WATER FLOW.
001
ROSS ST.
PRINT DEPT.
N. MAIN ST.
SCALE 1" = 100 FT. (FROM WHARTON SURVEY MAP)
002
COATING DEPT.
DAM
BOILER HOUSE.
ROCKAWAY RIVER.
003
"LOCATION MAP"
L.E. CARPENTER & CO
WHARTON
MORRIS CO. N.J.
1-9-79 1 OF 1.